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1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) as $\epsilon \rightarrow 0$.

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<212> DNA
<213> Homo sapiens

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<212> PRT
<213> Homo sapiens

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Glu Met Ile Ala Asn Leu Pro Leu Cys Ser His Pro Asn Pro Arg Lys
 35             40             45

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 Lys His Pro Ser Val Glu Ser Val Val Gln Cys Glu Ile Asp Glu Asp
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 Val Ile Gln Val Ser Lys Lys Phe Leu Pro Gly Met Ala Ile Gly Tyr
 85 90 95
 Ser Ser Ser Lys Leu Thr Leu His Val Gly Asp Gly Phe Glu Phe Met
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 Lys Gln Asn Gln Asp Ala Phe Asp Val Ile Ile Thr Asp Ser Ser Asp
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 Pro Met Gly Pro Ala Glu Ser Leu Phe Lys Glu Ser Tyr Tyr Gln Leu
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 <212> DNA
 <213> Homo sapiens

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<210> 29
 <211> 49
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:PCR product

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49

<400> 30

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$. The function $f(x)$ is also shown to be differentiable and its derivative is found to be $f'(x) = f(x)$.

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<212> DNA
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<211> 1908
<212> DNA
<213> Homo sapiens

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<210> 37

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

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<213> Artificial Sequence

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<210> 39

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer

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<210> 40

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:PCR product

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<210> 41
<211> 1275
<212> DNA
<213> Homo sapiens

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<213> Artificial Sequence

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18

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